

RECONNECT WATER SERVICE LINES

ITEM 1845

WORK INCLUDED: (Sec. 01) Furnish all labor, materials and equipment necessary to relocate existing water service lines which interfere with the construction of the new sewer and/or storm drain as specified herein.

REFERENCE ITEMS: (Sec. 02) Work and/or materials to be performed and/or furnished in accordance with other Items but included for payment in this Item are:

Earth Excavation and Backfill
Testing of Pipelines and Sewers
Sterilization of Potable Water Lines and Tanks

Applicable portions of the latest revision of the following specifications shall be included as a part of this Specification.

ASTM - American Society for Testing and Materials
ODOT - Ohio Department of Transportation, Construction and Materials Specifications.

MATERIALS: (Sec. 03)

Copper Pipe and Fittings: Type K, conforming to ASTM B-88 and B-251.

H.D.P.E. Polyethylene Plastic Tubing: NSF approved, meeting or exceeding ASTM D-2239 or D-2737 SDR 9, AWWA C-901 equal to copper tube sizes.

Plastic tubing shall be capable of maintaining a pressure of 300 psi at 73.4⁰ F for 1000 hours. Maximum working pressure shall be 160 psi at 73.4⁰ F.

Pipe shall be marked with size, ASTM Specification Number, pressure rating, National Sanitation Foundation (NSF) approval, manufacturer's identification and date of manufacturer.

Connections shall be cold flare or compression type.

Fittings: Standard brass waterworks fittings.

Bedding Material Type K Copper shall be gravel, crushed limestone or slag, No. 6, 67 or 68 gradation per Table 703-1 of the ODOT Specifications, and H.D.P.E., Type 1-A, ASTM, D-

2321, free from dirt and other deleterious materials.

INSTALLATION: (Sec. 04) Prior to removal of the existing service line, notify the Owner, who will shut off the service line.

Remove the existing service line as required to clear the new sewer and/or drain.

Install new service line immediately after removal of the existing line, above or below the new sewer and/or drain as required. Provide a minimum 4'-0" of cover and a minimum clearance of 18 inches between the water line and new sanitary sewer/storm drain.

Provide couplings or adapters as required to make connections to the existing water service line.

After installation, test the line for tightness. After final approval by the Resident Representative and the water department, backfilling may be completed.

Should the line show leaks during testing, repair any leaks and retest the line until water tightness is achieved.

Relocate existing valves, corporation cocks and valve boxes encountered, if any, to clear the sewer and/or drain as directed by the Resident Representative.

Dispose of existing materials removed off the site.

Method of Payment Sec. 05) payment shall be made for the actual footage of water service line reconnected, and shall include the reconnection to the main if required.

The Contractor shall require the Water Company to locate all waterlines, and water service lines and take all precautions necessary to protect all existing utilities including water service lines. This Item does not release the Contractor of notifying the Water Company of damages prior to repair.